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- 1. (+)-(S)-Clopidogrel bisulfate Form-I in 99.96 purity and $[\alpha]_D^{20} = +51.16$ ° at a concentration of 1.61 gm/100 ml methanol and having particle size from about 62 to about 426 microns.
- 2. Pharmaceutical composition of claim 1.
- 3. A process for the preparation of (+)-(S)-Clopidogrel bisulfate Form-I, comprising:
- A) contacting a compound having the formula

(+)-(S)-Clopidogrel bisulfate

- B) with sulfuric acid solution in an acetate solvent for a sufficient time to form (+)-(S)-Clopidogrel bisulfate Form-I; and
- C) isolating the (+)-(S)-Clopidogrel bisulfate Form-I.
- 4. The process of claim 3, wherein molar ratio of (+)-(S)-Clopidogrel and concentrated sulfuric acid is about 1:1.
- 5. The process of claim 3, wherein the solvent is an acetate solvent.
- 6. The process of claim 5, wherein the solvent is ethyl acetate.
- 7. The process of claim 3, wherein (+)-(S)-Clopidogrel is seeded with (+)-(S)-Clopidogrel bisulfate Form-I.
- 8. The process of claim 7, wherein seeding is between about 1.5 and about 3.5 % by weight of the (+)-(S)-Clopidogrel bisulfate Form-I.
- 9. The process of claim 8, wherein the (+)-(S)-Clopidogrel bisulfate Form-I is 2.5 % by weight.
- 10. The process of claim 3, wherein sulfuric acid is concentrate.
- 11. The process of claim3, wherein sulfuric acid is added at room temperature.
- 12. The process of claim 3, wherein the contacting step is conducted at a reflux temperature.

- 13. The process of claim 3, wherein (+)-(S)-Clopidogrel is heated between about 30 minutes and about 1.5 hours at a reflux temperature.
- 14. The process of claim 13, wherein heating time is about 1 hour.
- 15. The process of claim 3, wherein the mixture is stirred at room temperature for about 45 minutes to about 1.5 hours, after the heating is over.
- 16. The process of claim 15, wherein the stirring time is about 1 hour.
- 17. The process of claim 1, wherein purity of (+)-(S)-Clopidogrel bisulfate Form-I is more than 99 %.
- 18. The process of claim 3, wherein isolated yield is between about 85 and about 95 %.
- 19. The process of claim 3, wherein isolated yield is about 89 %.